

CLAIMS

1. A diaphragm for a loudspeaker, characterized in that a plurality of slits (14, 14a) are formed in a diaphragm body (12) extending from its center portion toward an outer circumference and a filling material (15) made of a material different from the diaphragm body (12) is filled in these slits (14, 14a).
2. The diaphragm for a loudspeaker according to claim 1, characterized in that the slits (14, 14a) extend linearly or in a curved state.
3. The diaphragm for a loudspeaker according to claim 1, characterized in that the filling material (15) has a smaller Young's modulus and/or larger internal loss than a main material of the diaphragm body (12).
4. The diaphragm for a loudspeaker according to claim 1, characterized in that the filling material (15) is made of resin which is curable by ultraviolet and/or visible rays or of thermoplastic resin.
5. The diaphragm for a loudspeaker according to claim 1, wherein the filling material (15) is made of porous material or foaming material.
6. A loudspeaker characterized in that a coil bobbin (20) having a voice coil (21) is provided at a center portion on the back face of a diaphragm (10) for a loudspeaker according to any one of claims 1 to 5, the coil bobbin (20) is supported to be capable of vibration, the voice coil (21) is arranged in a magnetic gap of a magnetic circuit (30), and the diaphragm (10) is supported by a frame (40) through an edge (13) provided on its outer circumference.